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Michael J. Hall  
Attorney of Record

**PATENT**

Docket No. 920976.90172

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Thundat et al.  
Appl. No: 10/077,633  
Filed: February 15, 2002  
For: PHOTOLELECTROCHEMICAL MOLECULAR COMB  
Art Unit: 1645  
Examiner: ---

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**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. §1.97**

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Commissioner for Patents  
P.O. Box 1450  
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Sir:

Please enter the following information in the file of the above application for consideration during examination of this application. Attached is a Form PTO/SB/08A, which lists items of prior art which were brought to the attention of the undersigned by the Applicant through an international search report in a corresponding application.

**Certification Under 37 C.F.R. §1.97 (e)**

The undersigned certifies that the information submitted herewith came to the attention of the Applicant through a search report issued in a corresponding application not more

Supplemental Information Disclosure Statement  
Appl. No. 10/077,633  
Page 2

than three (3) months before the date of this submission. Therefore, no fee is due. In the event that a fee is deemed to be due, authorization is given to charge Quarles & Brady Deposit Account No. 17-0055.

Respectfully submitted,

By: Michael J. McGovern

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| Substitute for form 1449/PTO |   | <b>Complete if Known</b> |                   |
|                              |   | Application Number       | 10/077,633        |
|                              |   | Filing Date              | February 15, 2002 |
|                              |   | First Named Inventor     | Thundat et al.    |
|                              |   | Art Unit                 | 1645              |
|                              |   | Examiner Name            | ---               |
| Sheet                        | 1 | of                       | 2                 |
|                              |   | Attorney Docket Number   | 920976.90172      |

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

1 2 3

## **FOREIGN PATENT DOCUMENTS**

| FOREIGN PATENT DOCUMENTS |                       |   |                                |  |   |   |
|--------------------------|-----------------------|---|--------------------------------|--|---|---|
| Examiner Initials*       | Cite No. <sup>1</sup> | Foreign Patent Document   | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>Or Relevant Figures Appear | T |
|                          |                       | Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known) |                                |  |   |   |
|                          |                       | WO 00/13784   | 03-16-2000                     | Motorola, Inc.                                     |   |   |
|                          |                       | WO 98/57157   | 12-17-1998                     | Ecole Centrale De Lyon                             |   |   |
|                          |                       |   |                                |  |   |   |
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| Examiner<br>Signature |  | Date<br>Considered |  |
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**\*EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>3</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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|                              |   |    |   | <b>Art Unit</b>             | 1645              |
|                              |   |    |   | <b>Examiner Name</b>        | ---               |
| Sheet                        | 2 | of | 2 | Attorney Docket Number      | 920976.90172      |

| <b>OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS</b> |                       |   |                |
|--|-----------------------|---|----------------|
| Examiner Initials*                                     | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|  |                       | INQUE S Et Al, "Chemical-Imaging Sensor Using Enzyme", Sensors and Actuators B, Elsevier Sequoia S.A., Vol. B32, no. 1, 04-01-1996, pgs. 23-26, XP000636382.  |                |
|  |                       | BROWN G N Et Al, "Development and Characterization of a Titanium Dioxide-Based Semiconductor Photoelectrochemical Detector" Analytical Chemistry, American Chemical Society, Columbus, vol. 64 no. 4, 02-15-1992, pgs. 427-434, XP000261109.                    |                |
|  |                       | OWICKI J C Et Al, "The Light-Addressable Potentiometric Sensor: Principles and Biological Applications", Annual review of Biophysics and Biomolecular Structure, Palo Alto, CA, Vol 23, 1994 pgs. 87-113, XP002073025.  |                |
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1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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